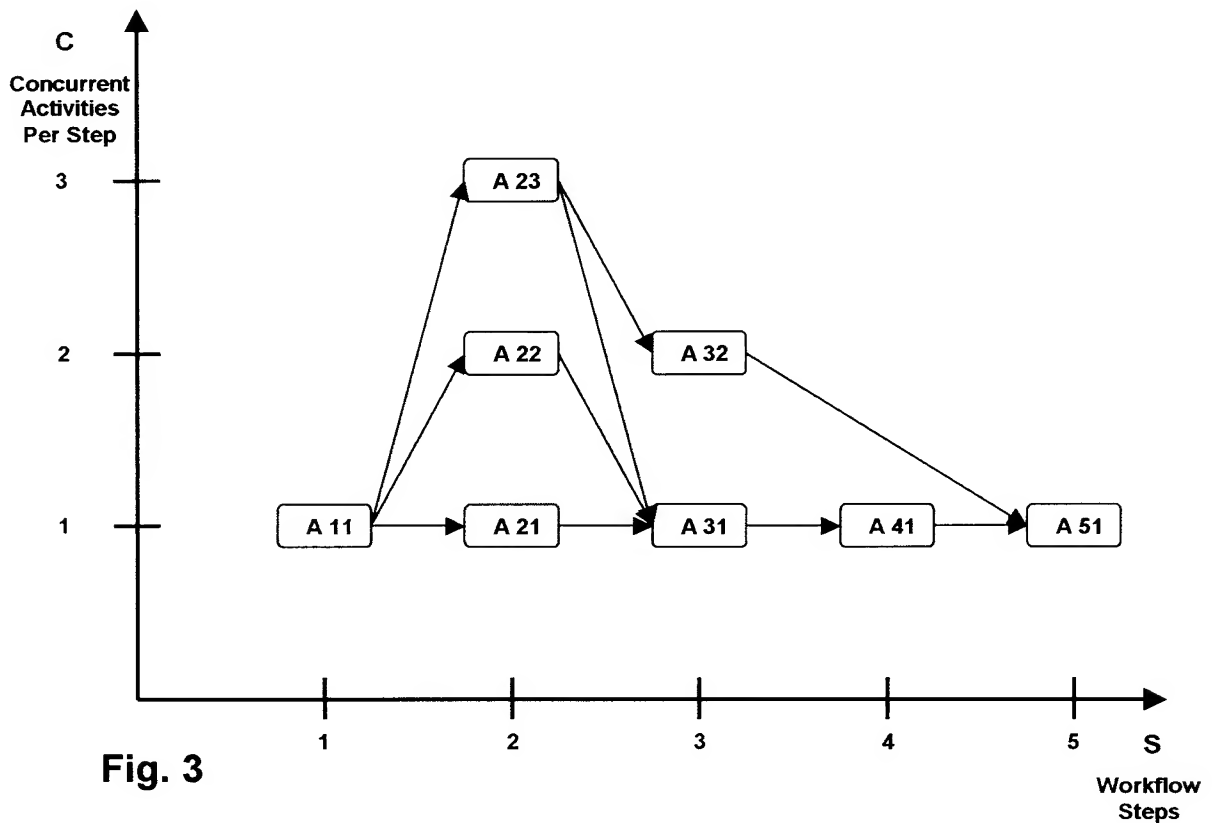


```
#define PROCESS_STEPS 5
#define MAX_STEP_DEPTH 3

BOOL Activity[PROCESS_STEPS][MAX_STEP_DEPTH]={
    TRUE, FALSE, FALSE,
    TRUE, TRUE, TRUE,
    TRUE, TRUE, FALSE,
    TRUE, FALSE, FALSE,
    TRUE, FALSE, FALSE};
```

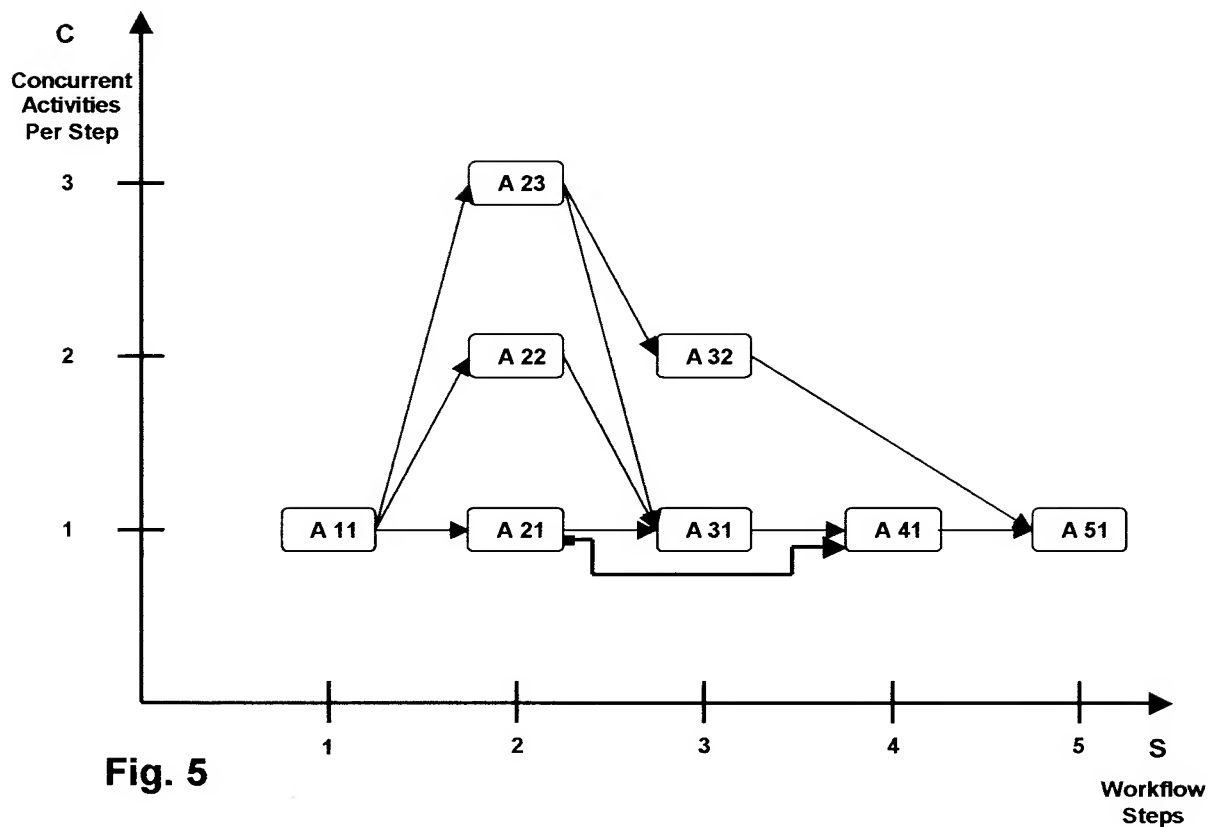
Fig. 2



```
#define MAX_CONNECT_OUT 3

int ConnectOut[PROCESS_STEPS-1][ MAX_STEP_DEPTH][ MAX_CONNECT_OUT][2]=
{
    1, 0,    1, 1,    1, 2,    // Output connections of Activity 11 with array indexes 0,0
    -1,-1,   -1,-1,   -1,-1,    // Activity 12 does not exist
    -1,-1,   -1,-1,   -1,-1,    // Activity 13 does not exist
    2, 0,    -1,-1,   -1,-1,    // Output connections of Activity 21 with array indexes 1,0
    2, 0,    -1,-1,   -1,-1,    // Output connections of Activity 22 with array indexes 1,1
    2, 0,    2, 1,    -1,-1,    // Output connections of Activity 23 with array indexes 1,2
    3, 0,    -1,-1,   -1,-1,    // Output connections of Activity 31 with array indexes 2,0
    4, 0,    -1,-1,   -1,-1,    // Output connections of Activity 32 with array indexes 2,1
    -1,-1,   -1,-1,   -1,-1,    // Activity 33 does not exist
    4, 0,    -1,-1,   -1,-1,    // Output connections of Activity 41 with array indexes 3,0
    -1,-1,   -1,-1,   -1,-1,    // Activity 42 does not exist
    -1,-1,   -1,-1,   -1,-1,    // Activity 43 does not exist
};
```

Fig. 4



```
#define MAX_ALTCONNECT_OUT 1
int AltConnectOut[PROCESS_STEPS][ MAX_STEP_DEPTH][ MAX_ALTCONNECT_OUT][2]=
{
    -1,-1, // Alternative output connection of Activity 11 with array indexes 0,0 does not exist
    -1,-1, // Activity 12 does not exist
    -1,-1, // Activity 13 does not exist
    3, 0, // Alternative output connection of Activity 21 with array indexes 1,0
    -1,-1, // Alternative output connection of Activity 22 with array indexes 1,1 does not exist
    -1,-1, // Alternative output connection of Activity 23 with array indexes 1,2 does not exist
    -1,-1, // Alternative output connection of Activity 31 with array indexes 2,0 does not exist
    -1,-1, // Alternative output connection of Activity 32 with array indexes 2,1 does not exist
    -1,-1, // Activity 33 does not exist
    -1,-1, // Alternative output connection of Activity 41 with array indexes 3,0 does not exist
    -1,-1, // Activity 42 does not exist
    -1,-1, // Activity 43 does not exist
    -1,-1, // Alternative output connection of Activity 51 with array indexes 4,0 does not exist
    -1,-1, // Activity 52 does not exist
    -1,-1, // Activity 53 does not exist
};
```

Fig. 6

```
GUID dummyGUID={0L, 0, 0, {0, 0, 0, 0, 0, 0, 0, 0}};
GUID ActivityGUID[PROCESS_STEPS][ MAX_STEP_DEPTH]=
{
    Guid00,        dummyGUID,    dummyGUID,
    Guid10,        Guid11,        Guid12,
    Guid20,        Guid21,        dummyGUID,
    Guid30,        dummyGUID,    dummyGUID,
    Guid40,        dummyGUID,    dummyGUID
};
```

Fig. 7

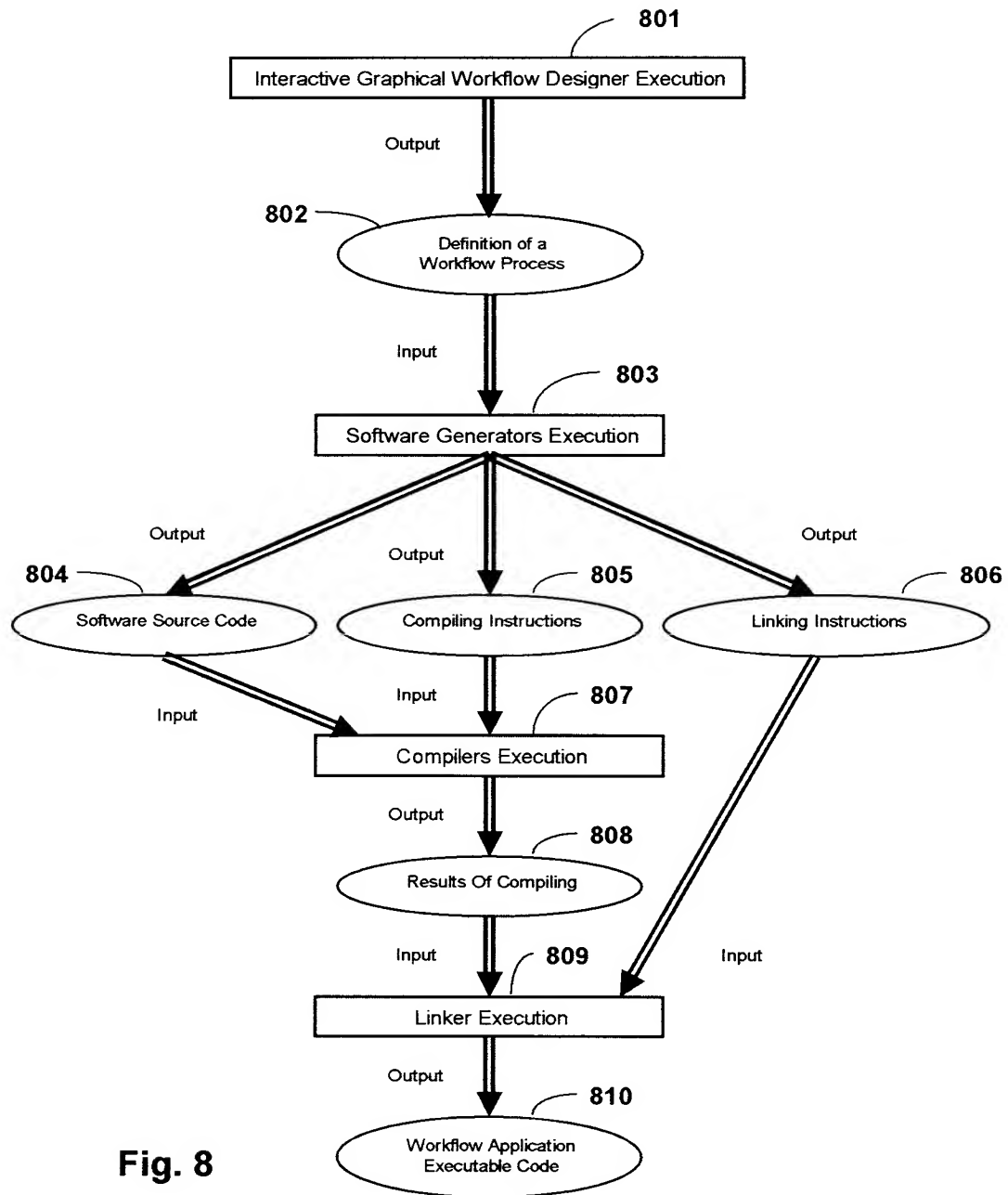


Fig. 8

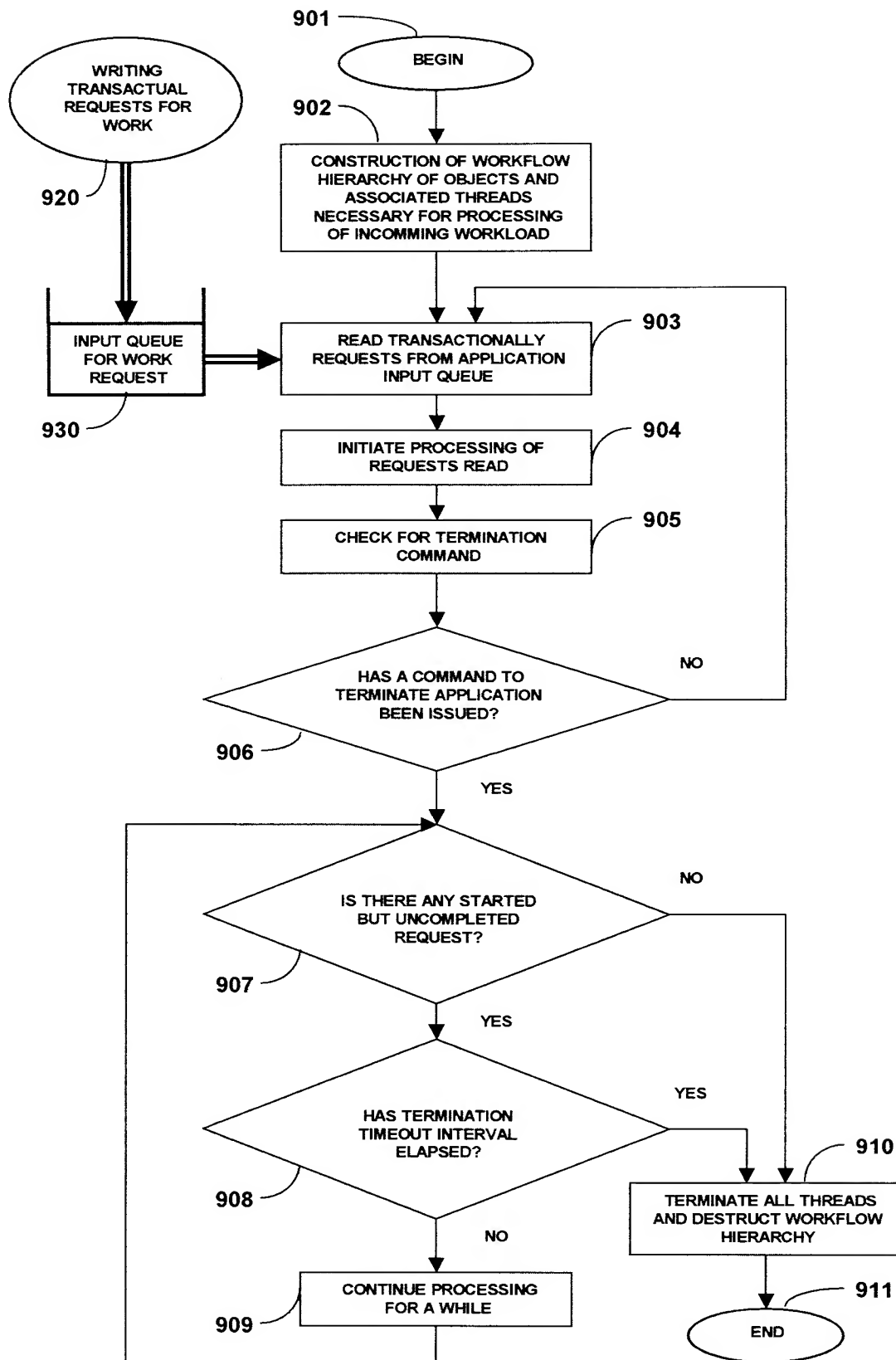
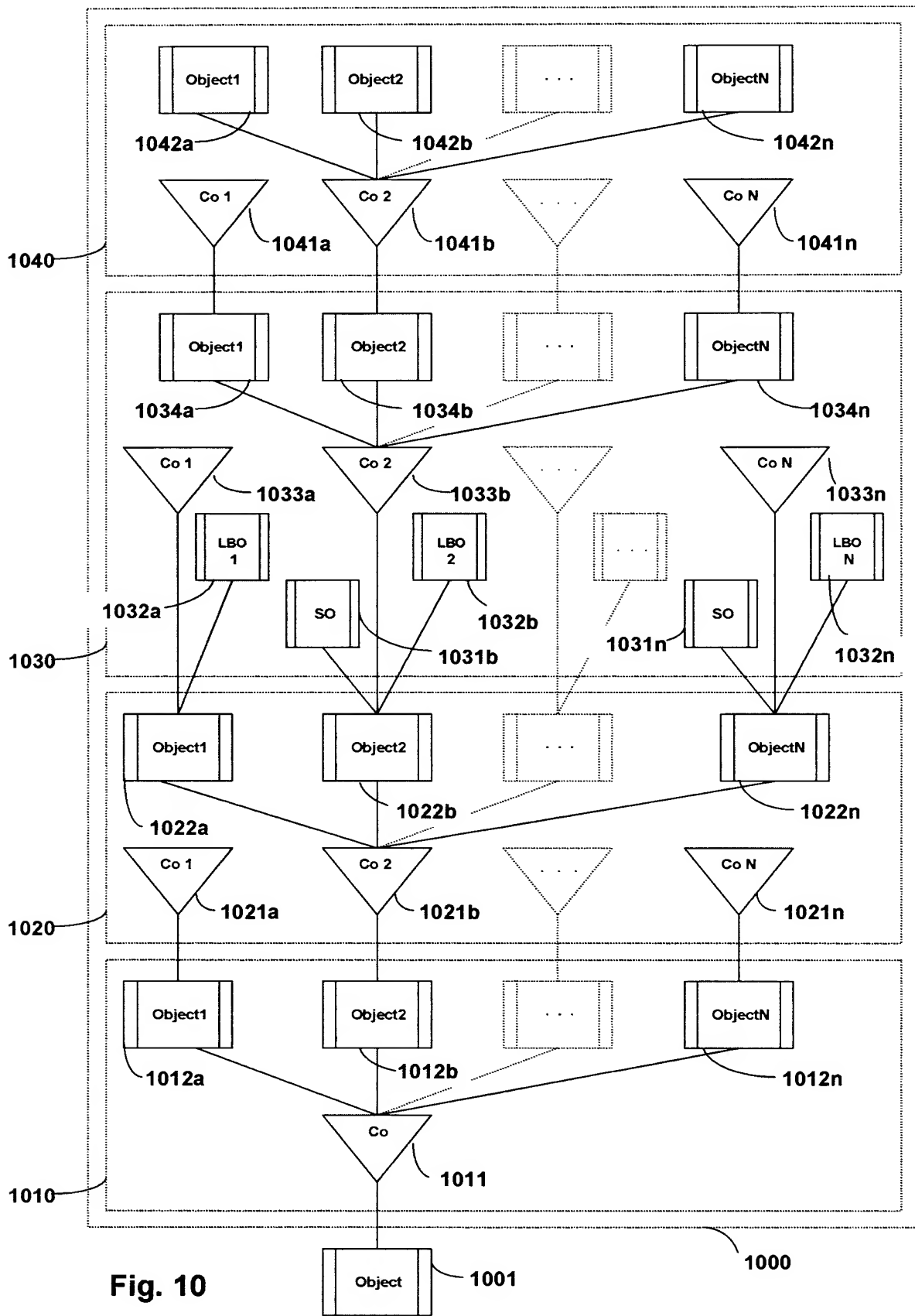


Fig. 9



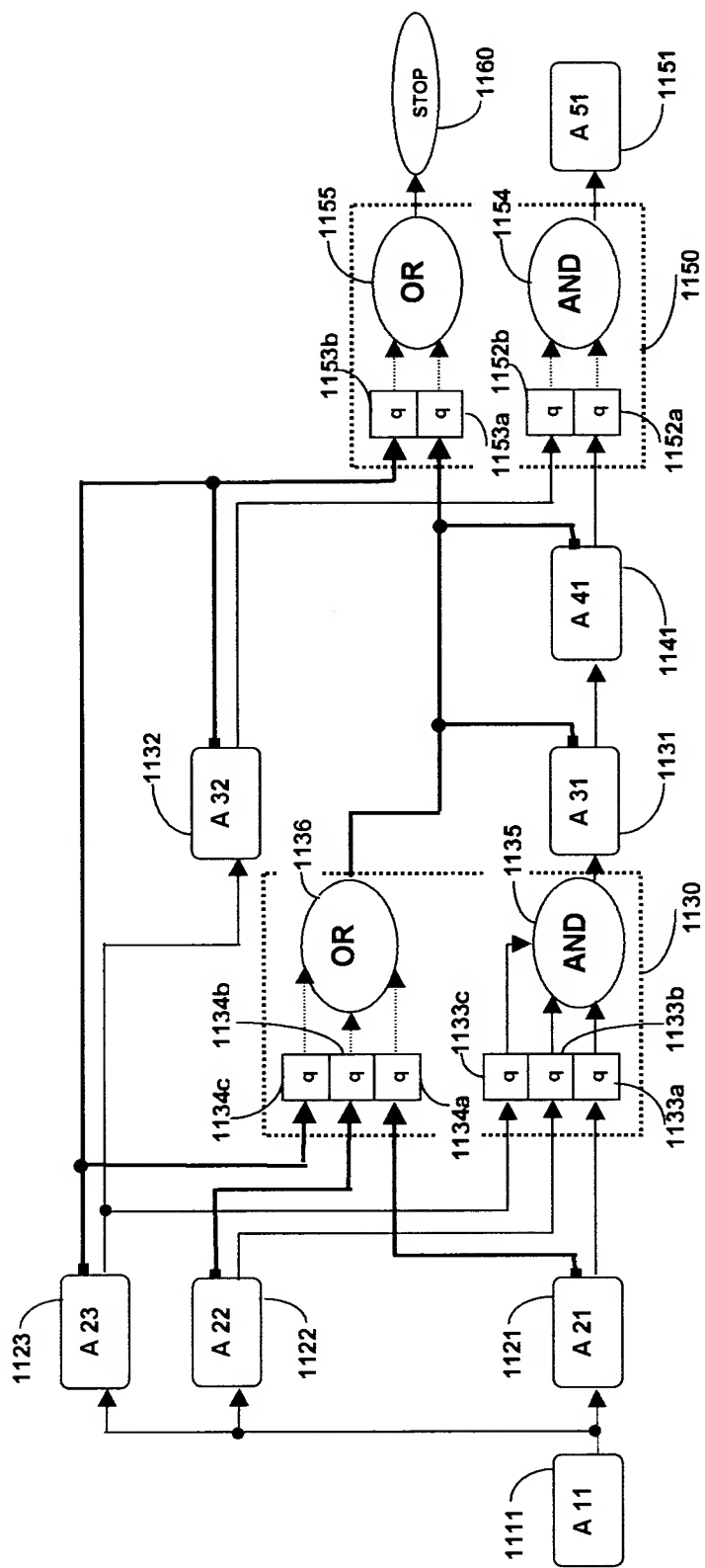


Fig. 11

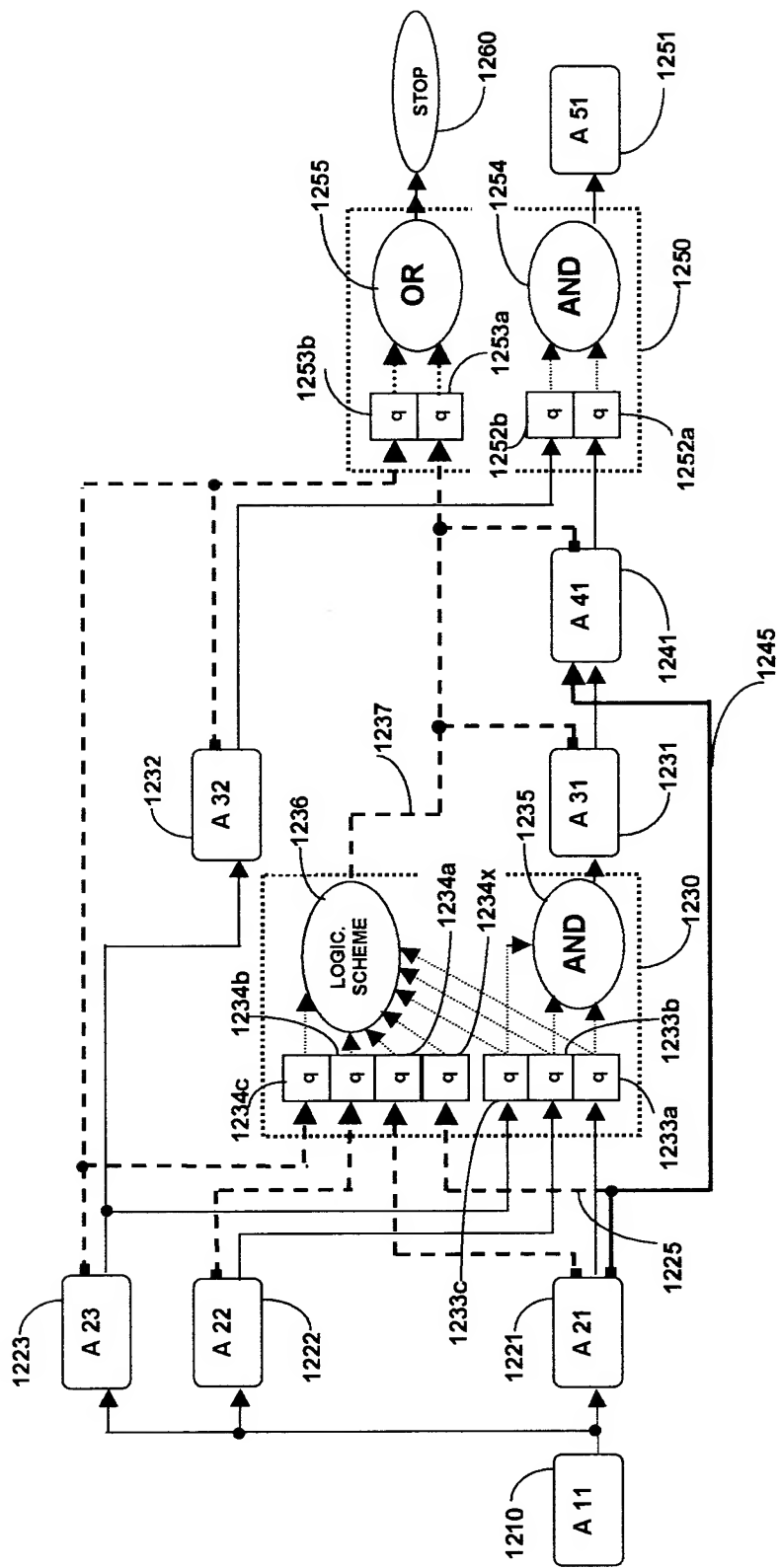


Fig. 12

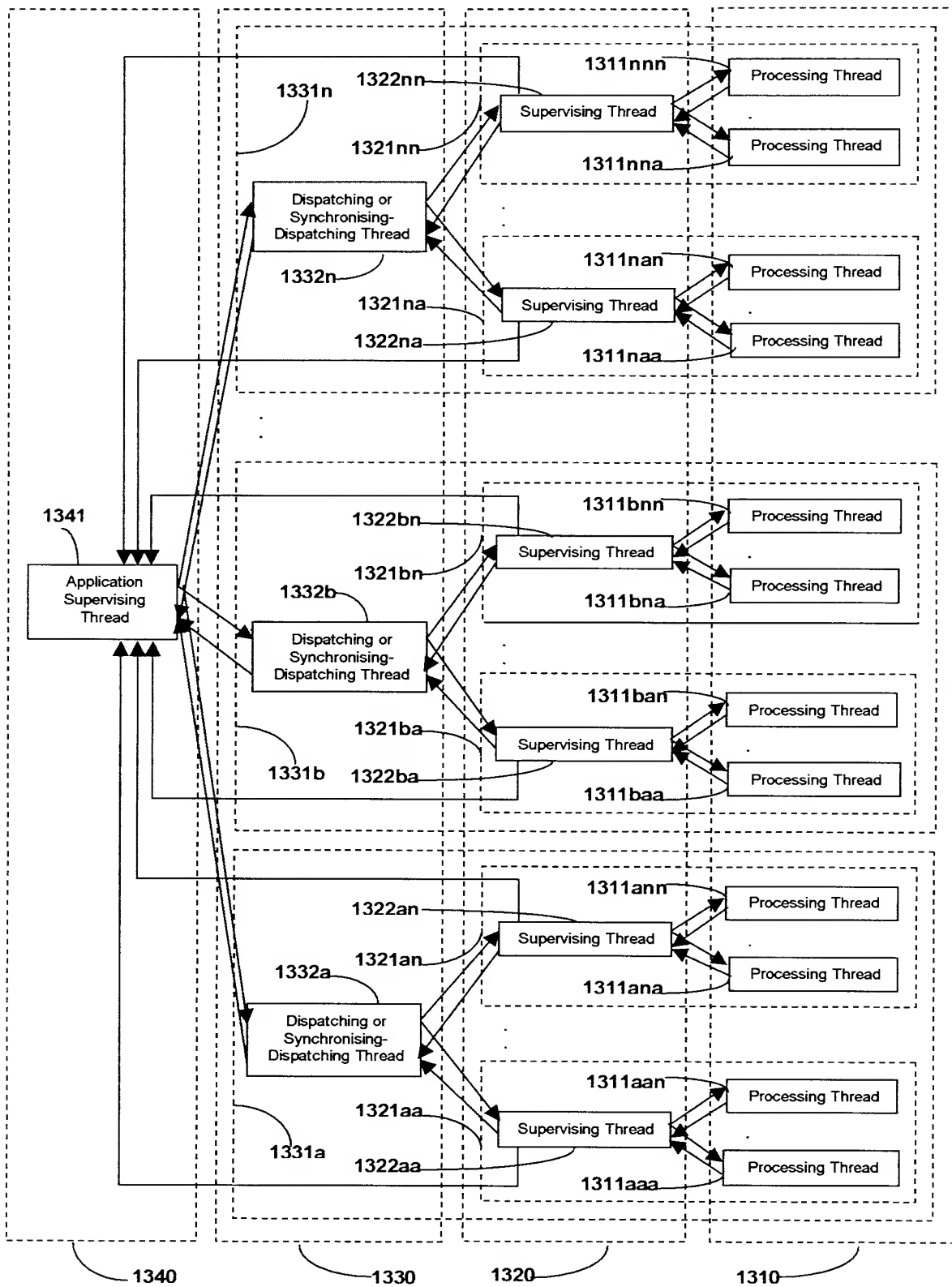


Fig. 13

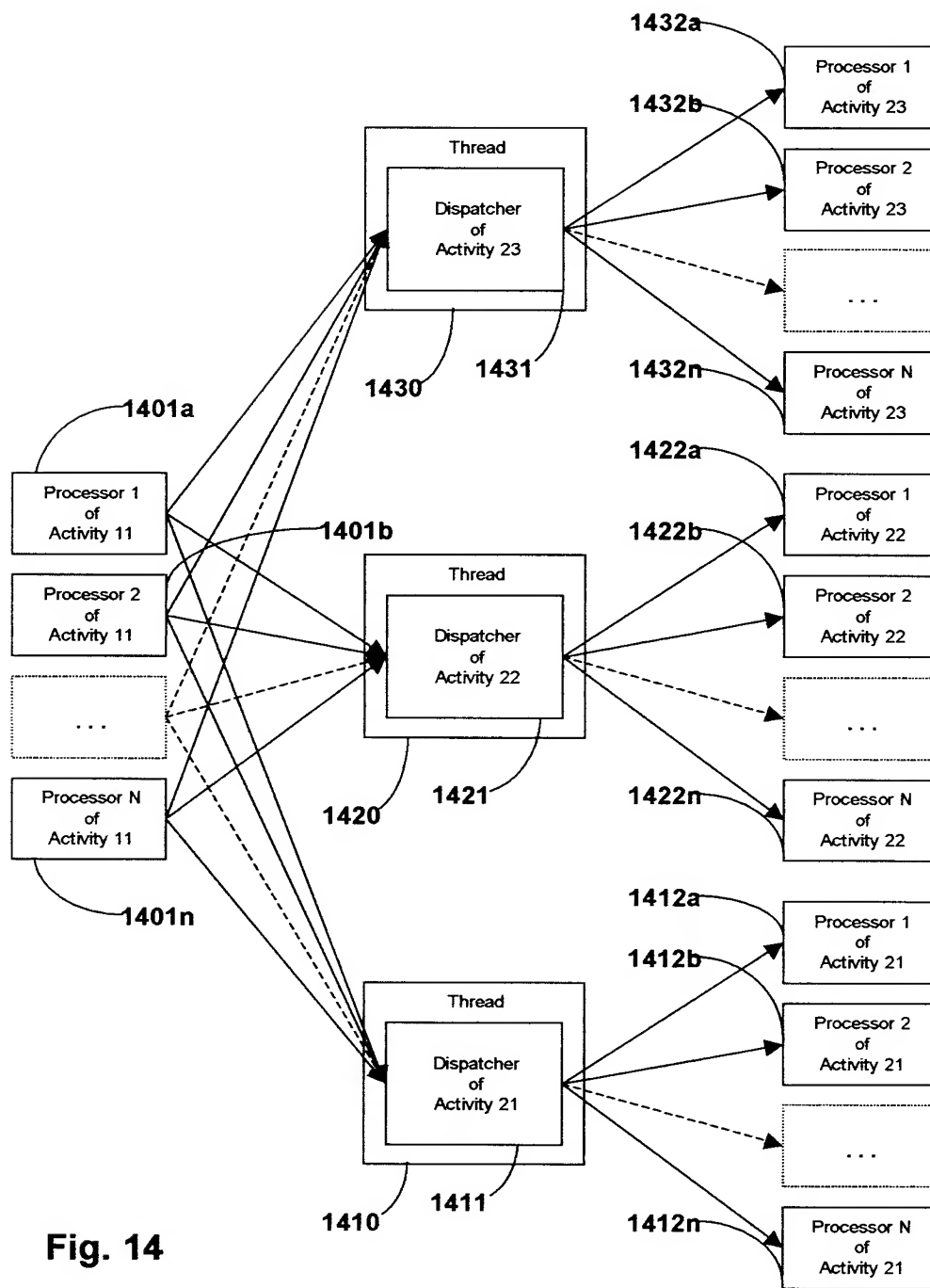
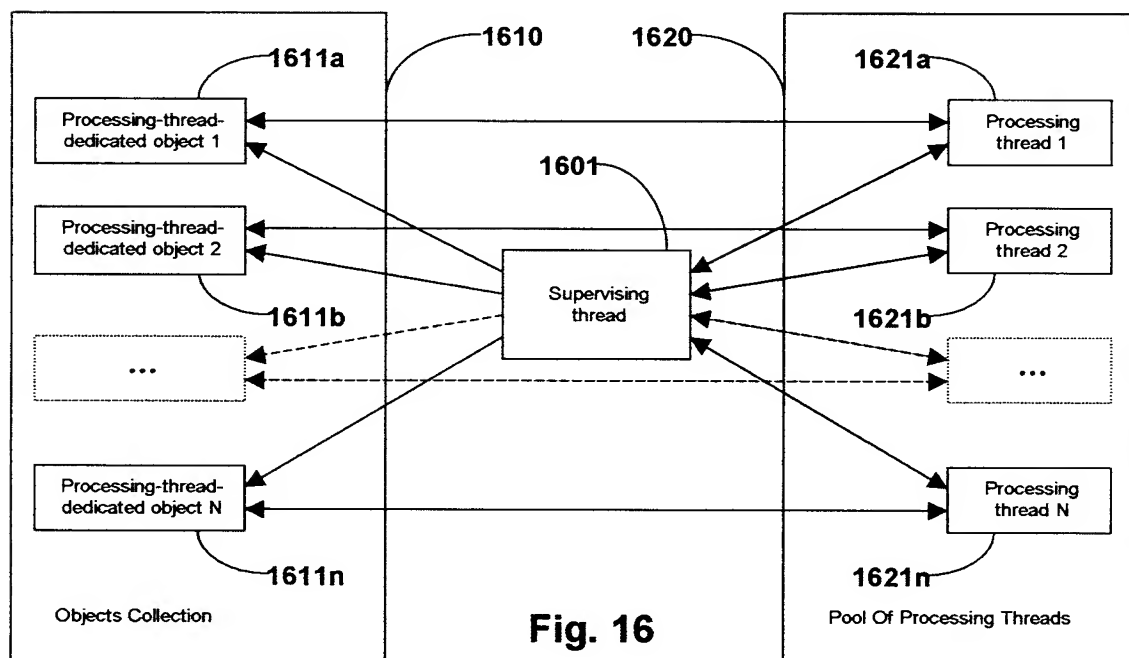
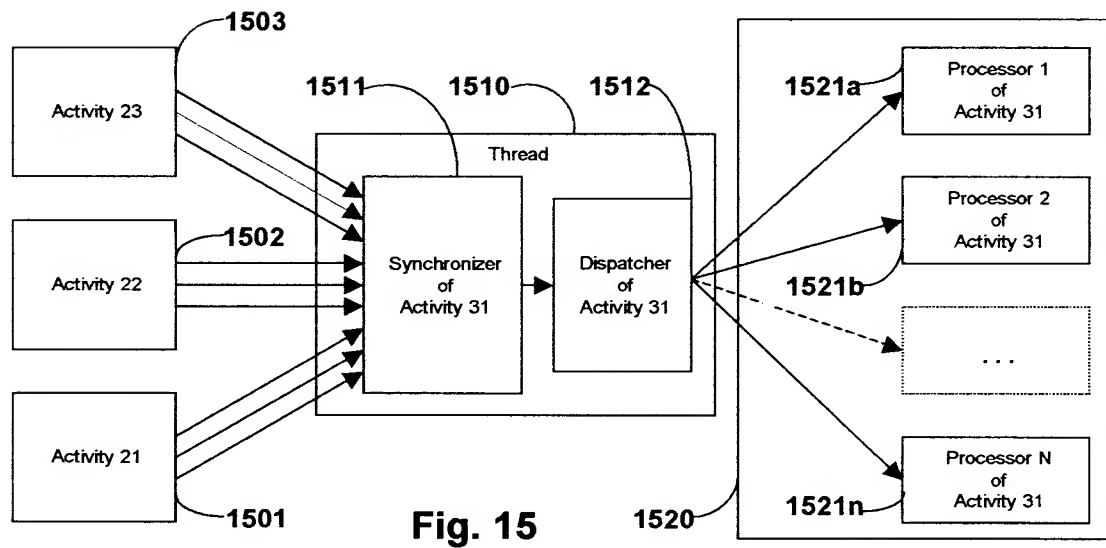


Fig. 14



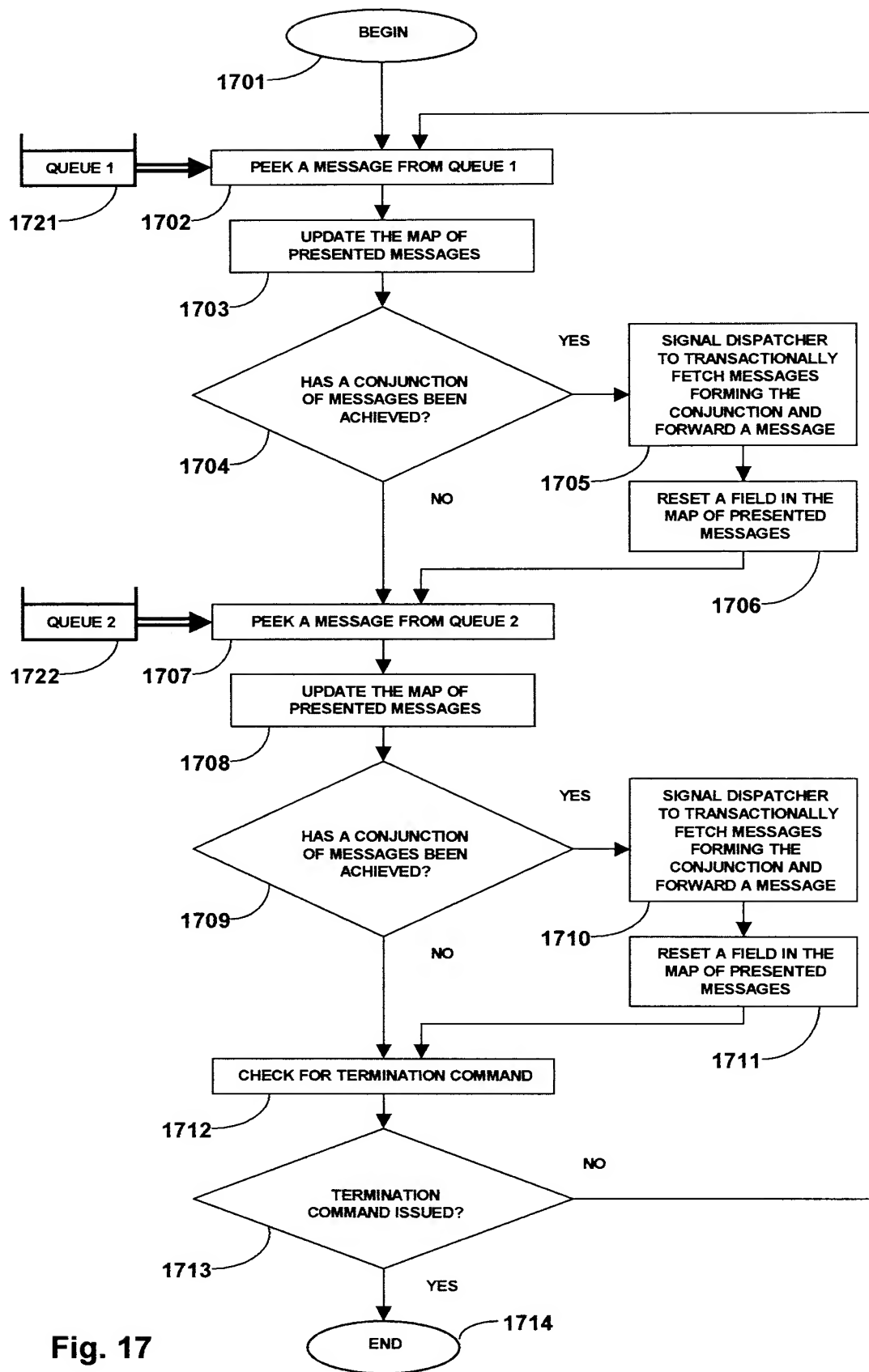


Fig. 17

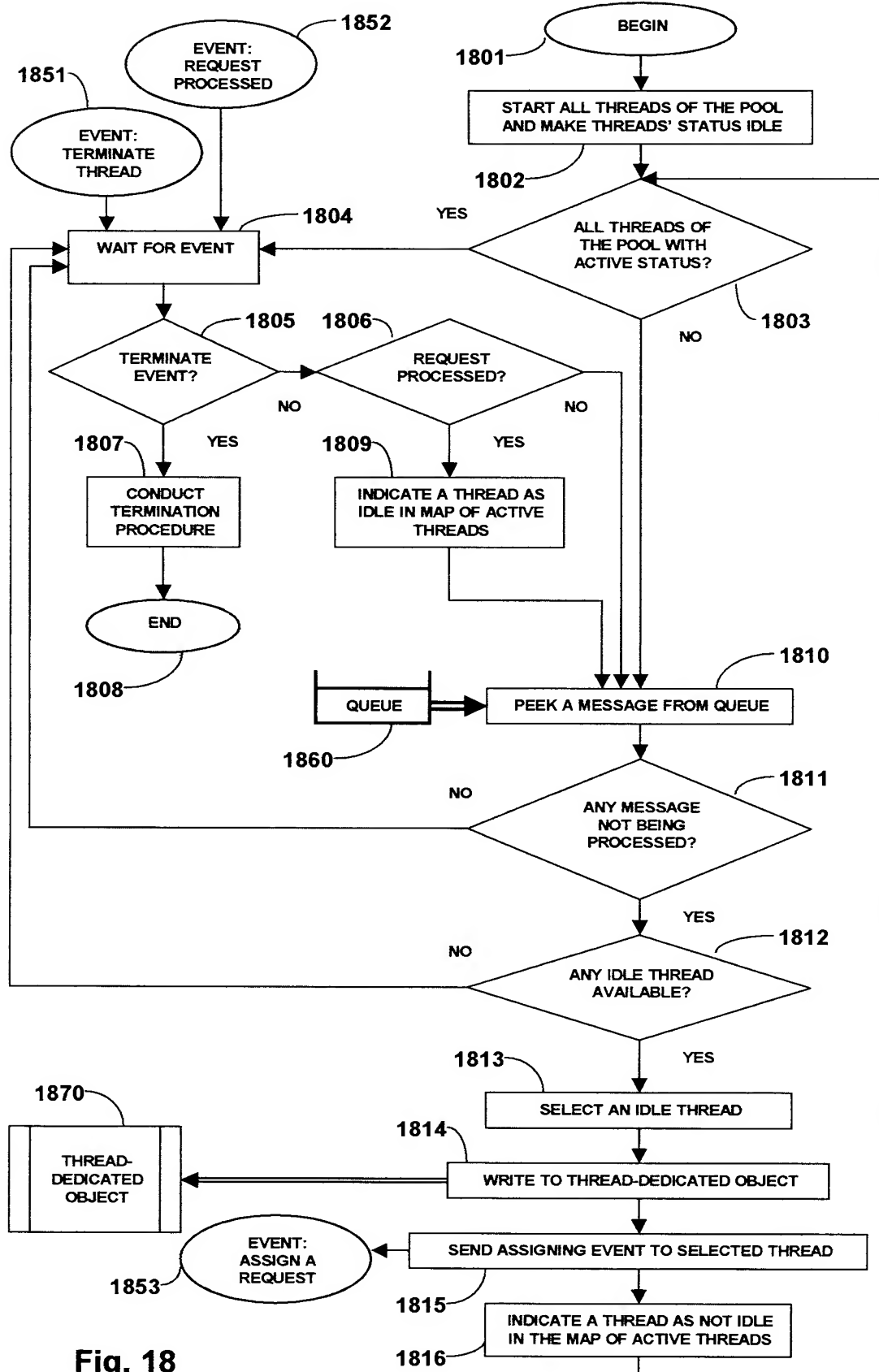


Fig. 18

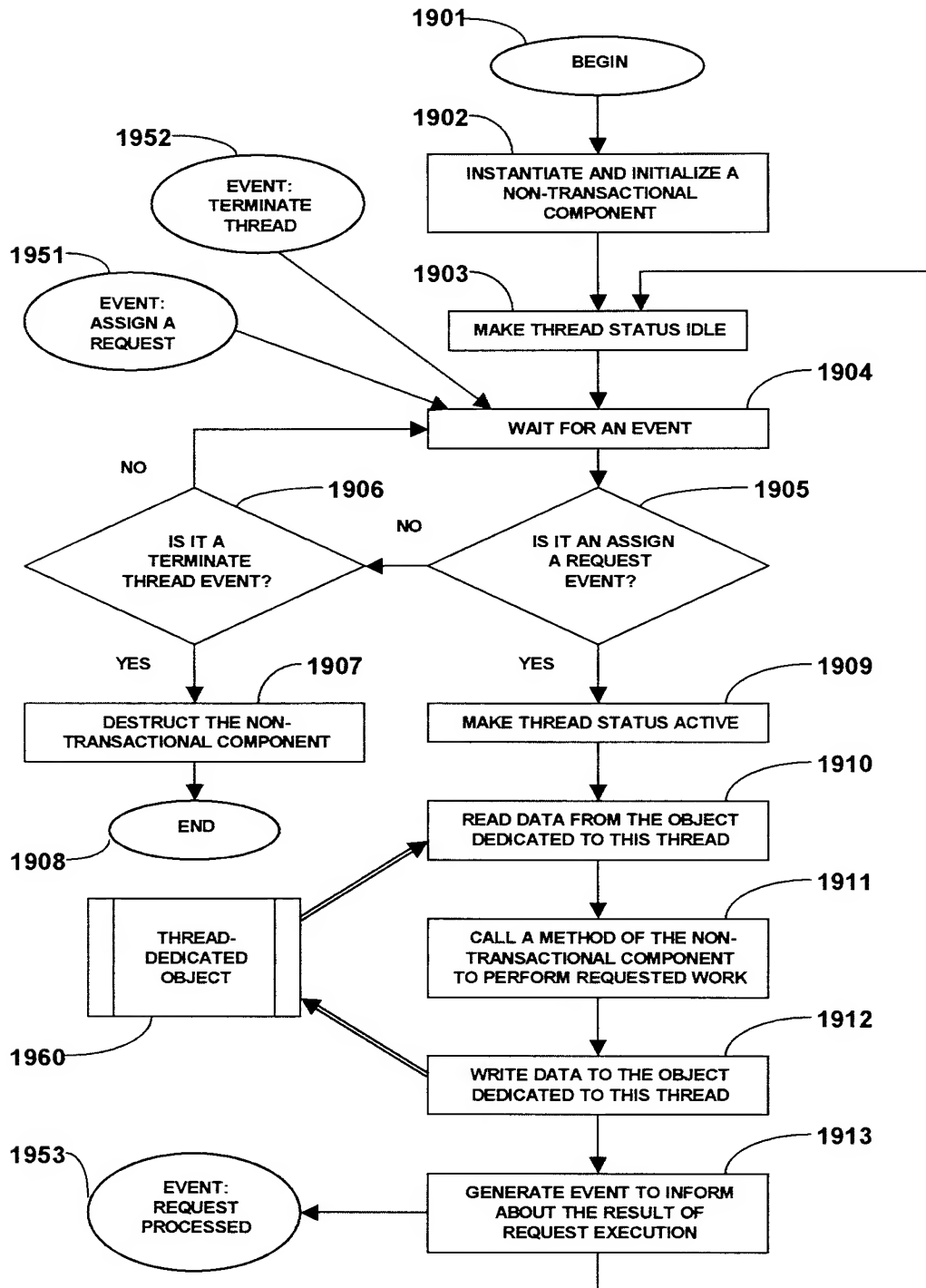


Fig. 19

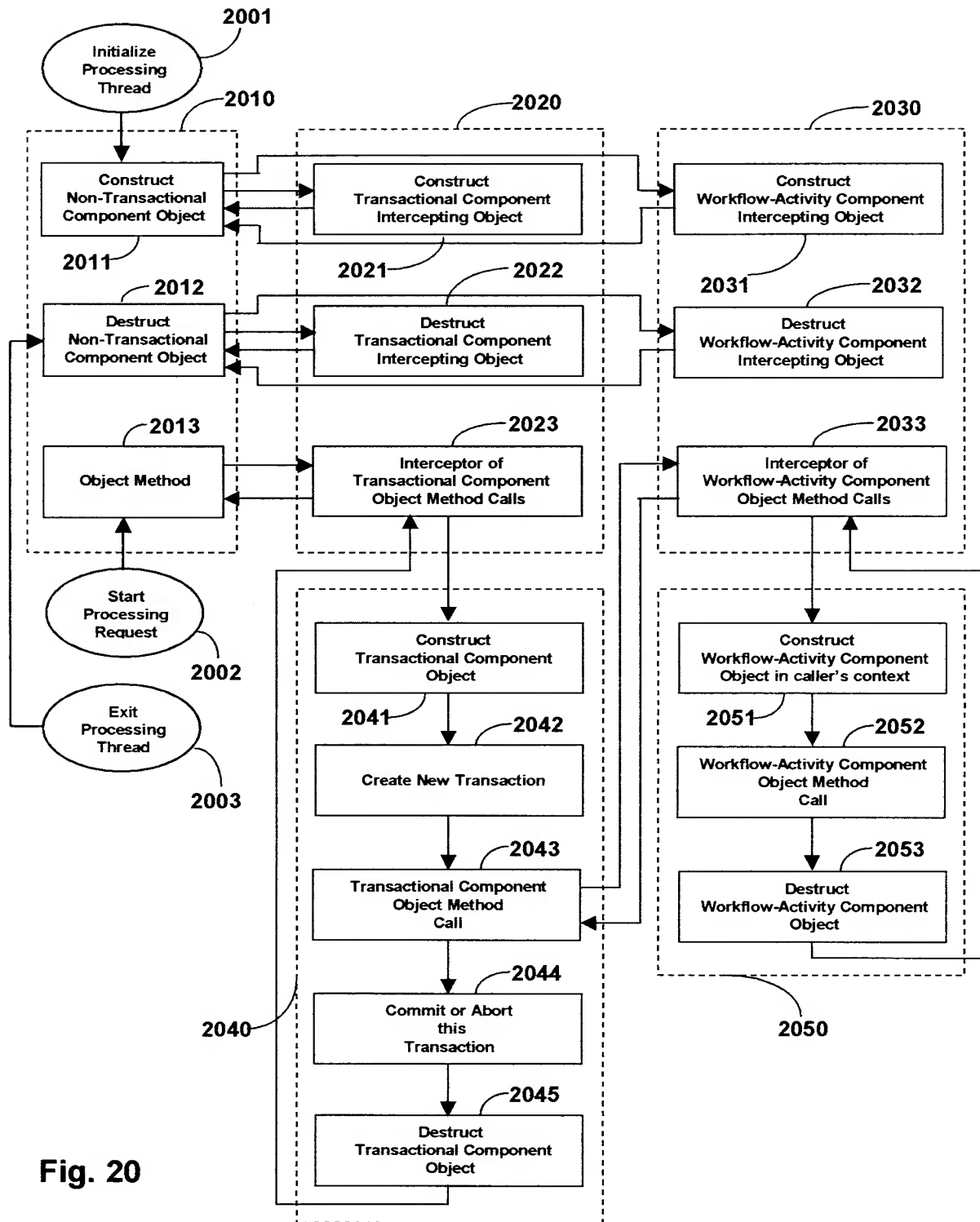


Fig. 20

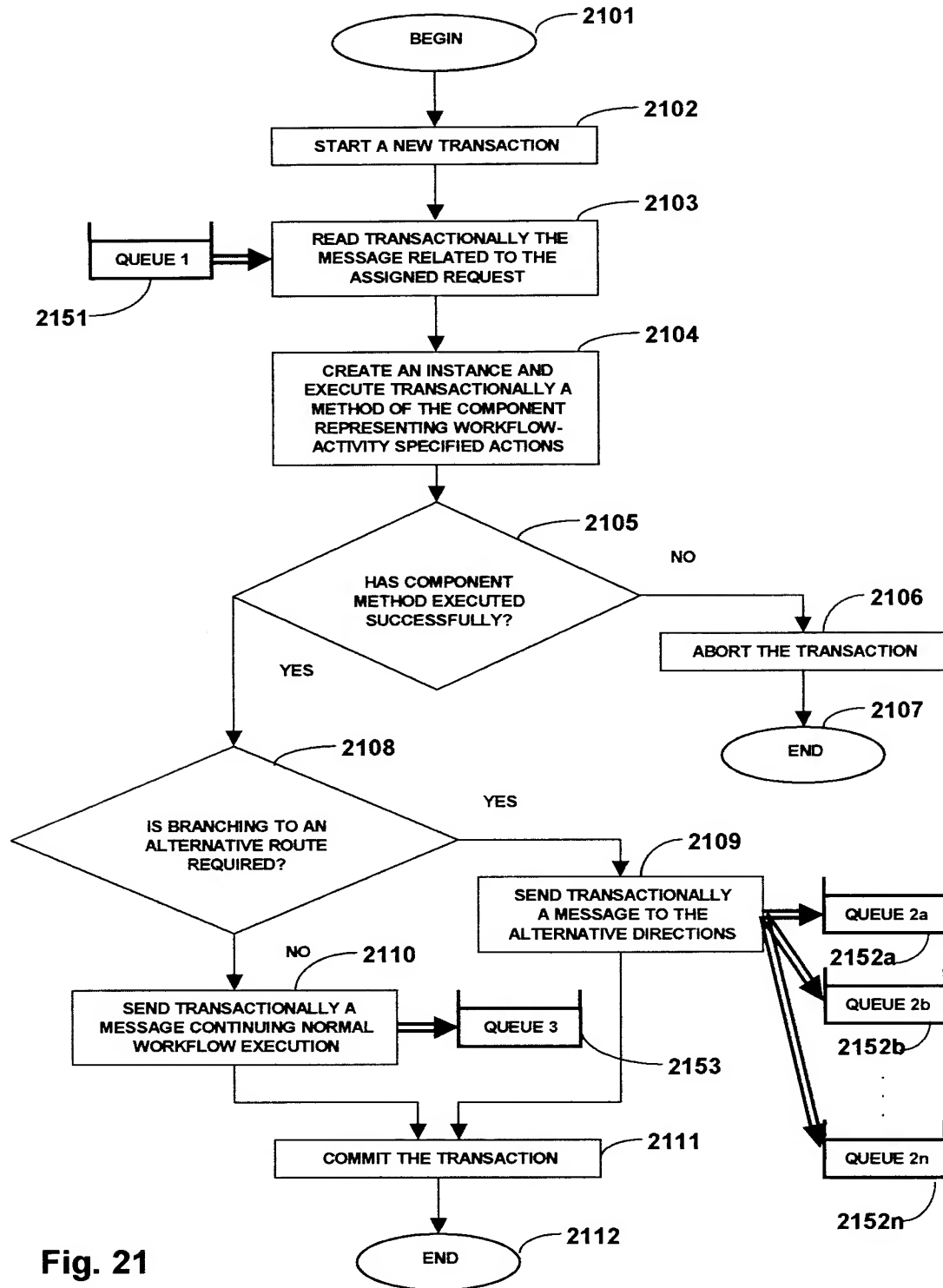


Fig. 21

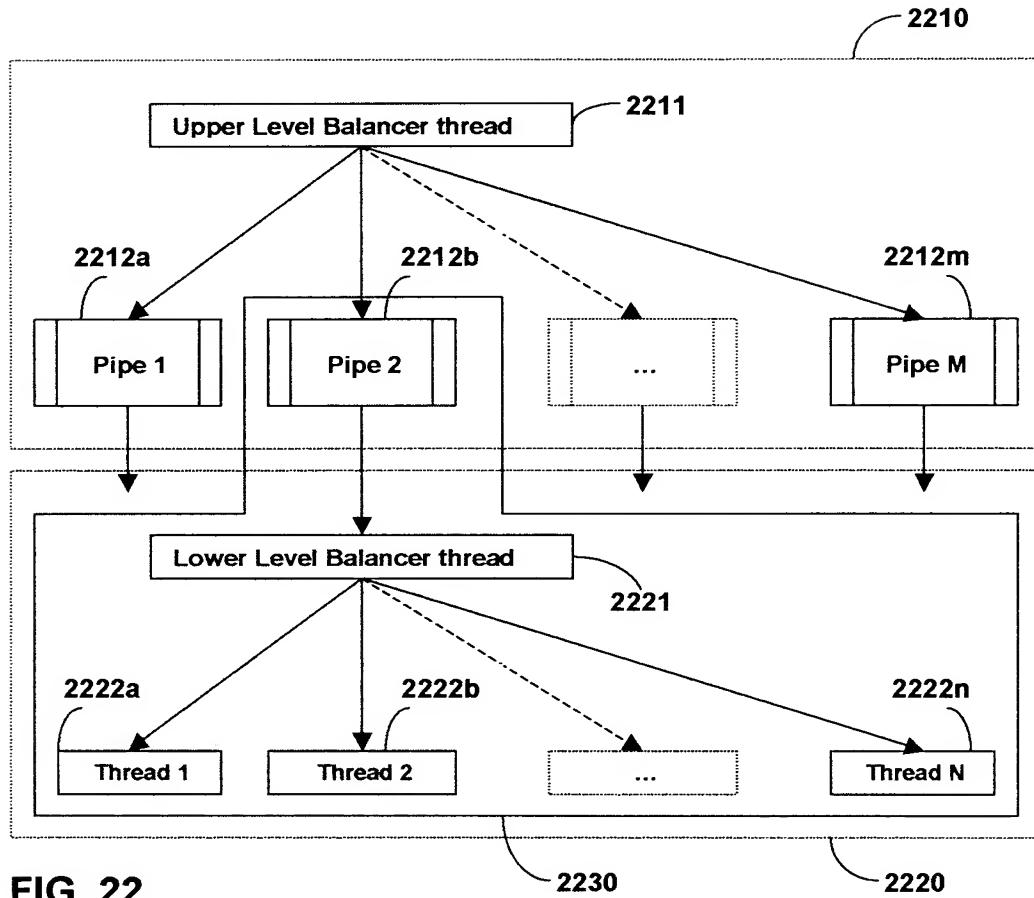


FIG. 22

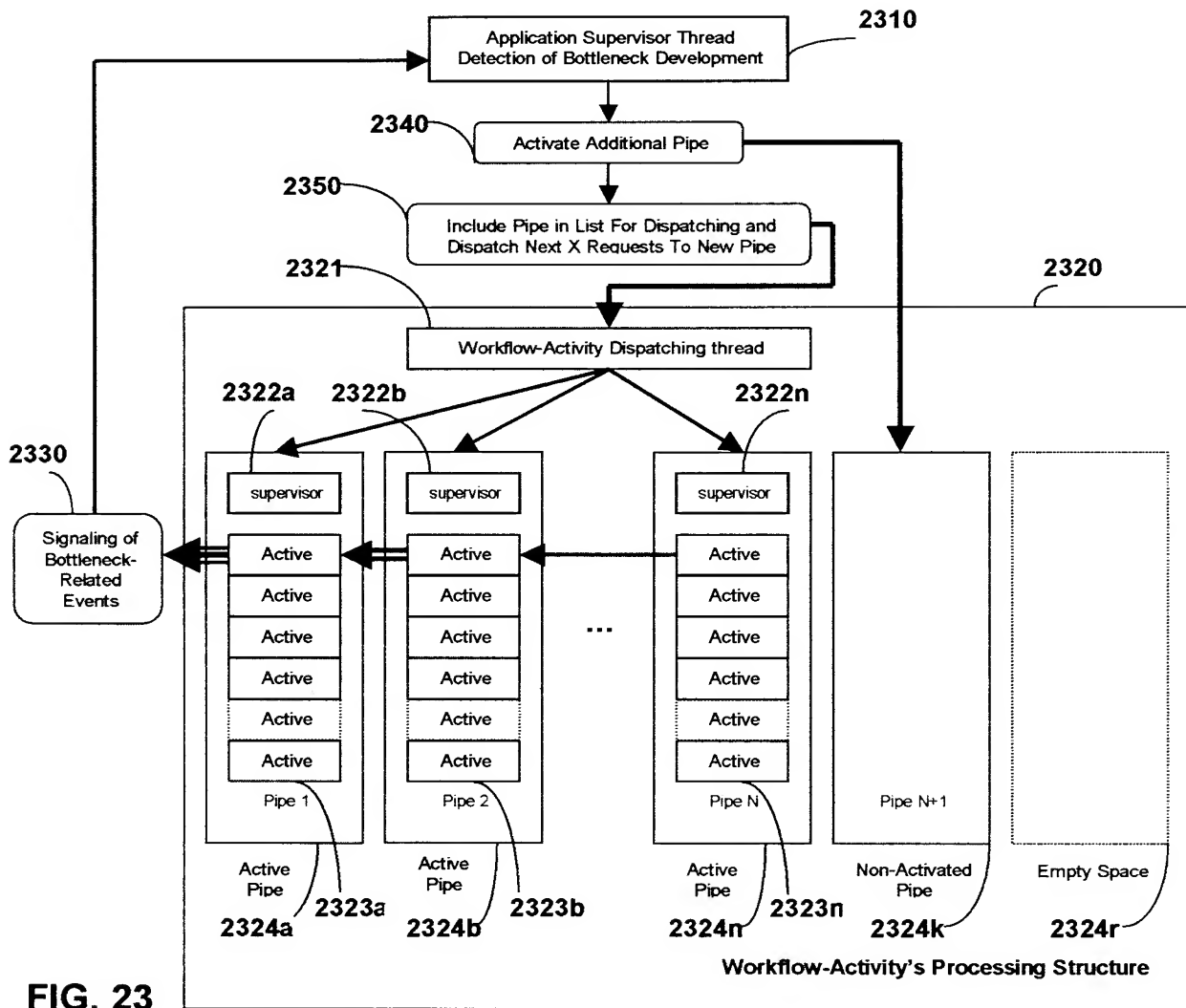


FIG. 23

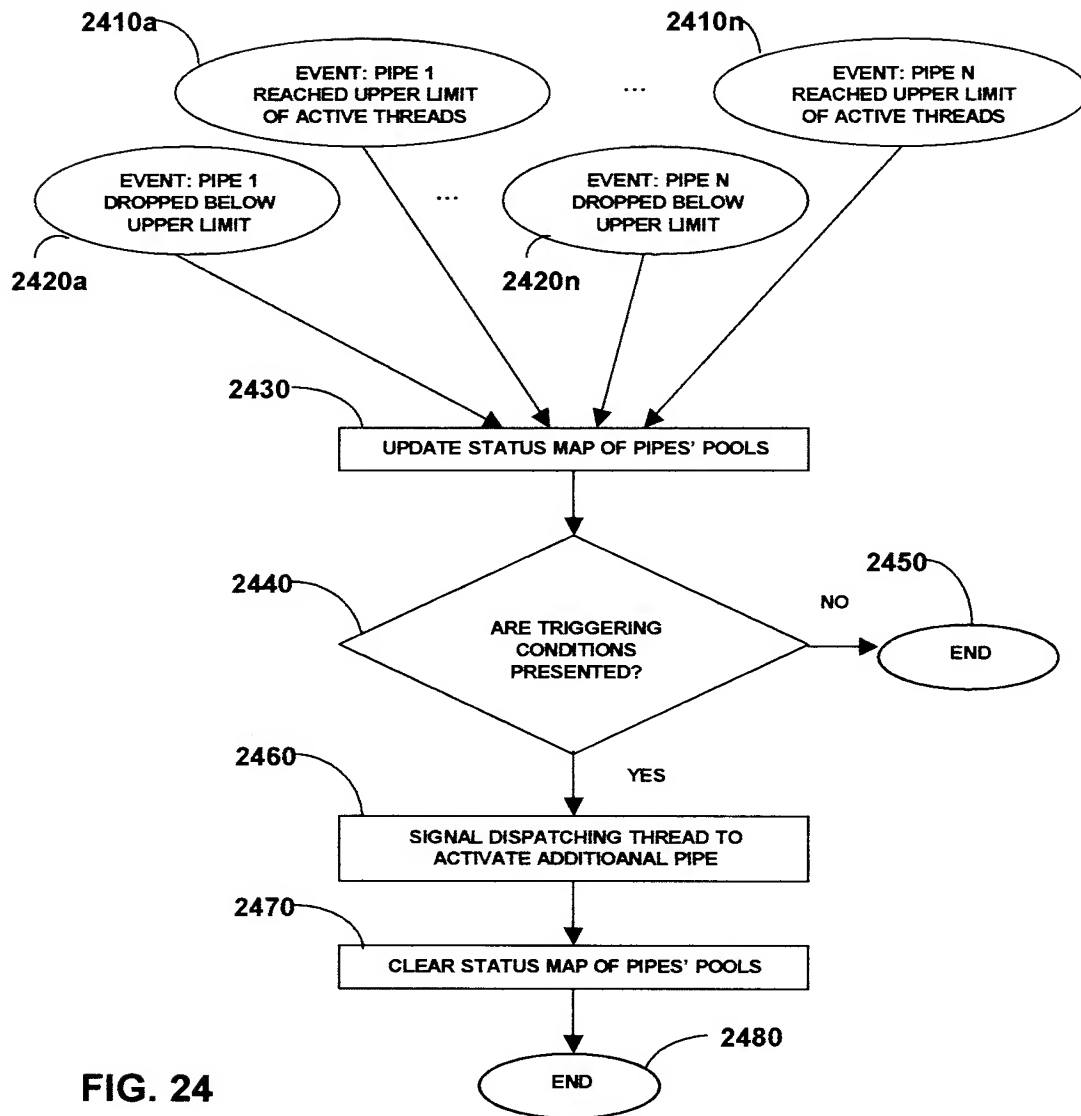


FIG. 24

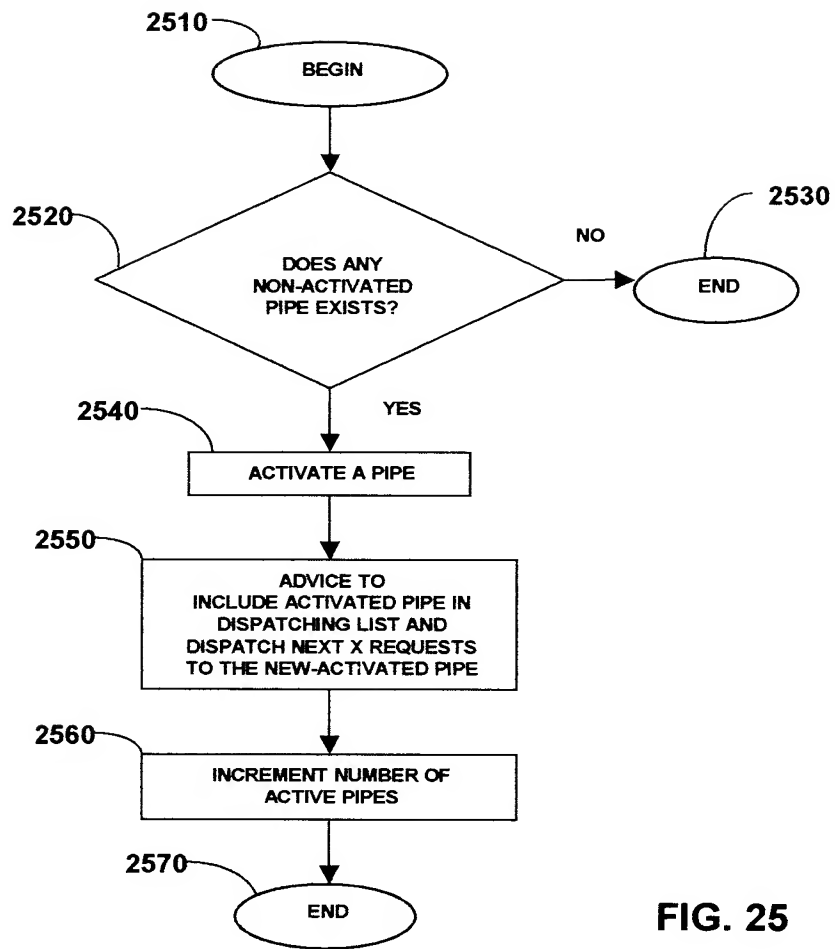


FIG. 25

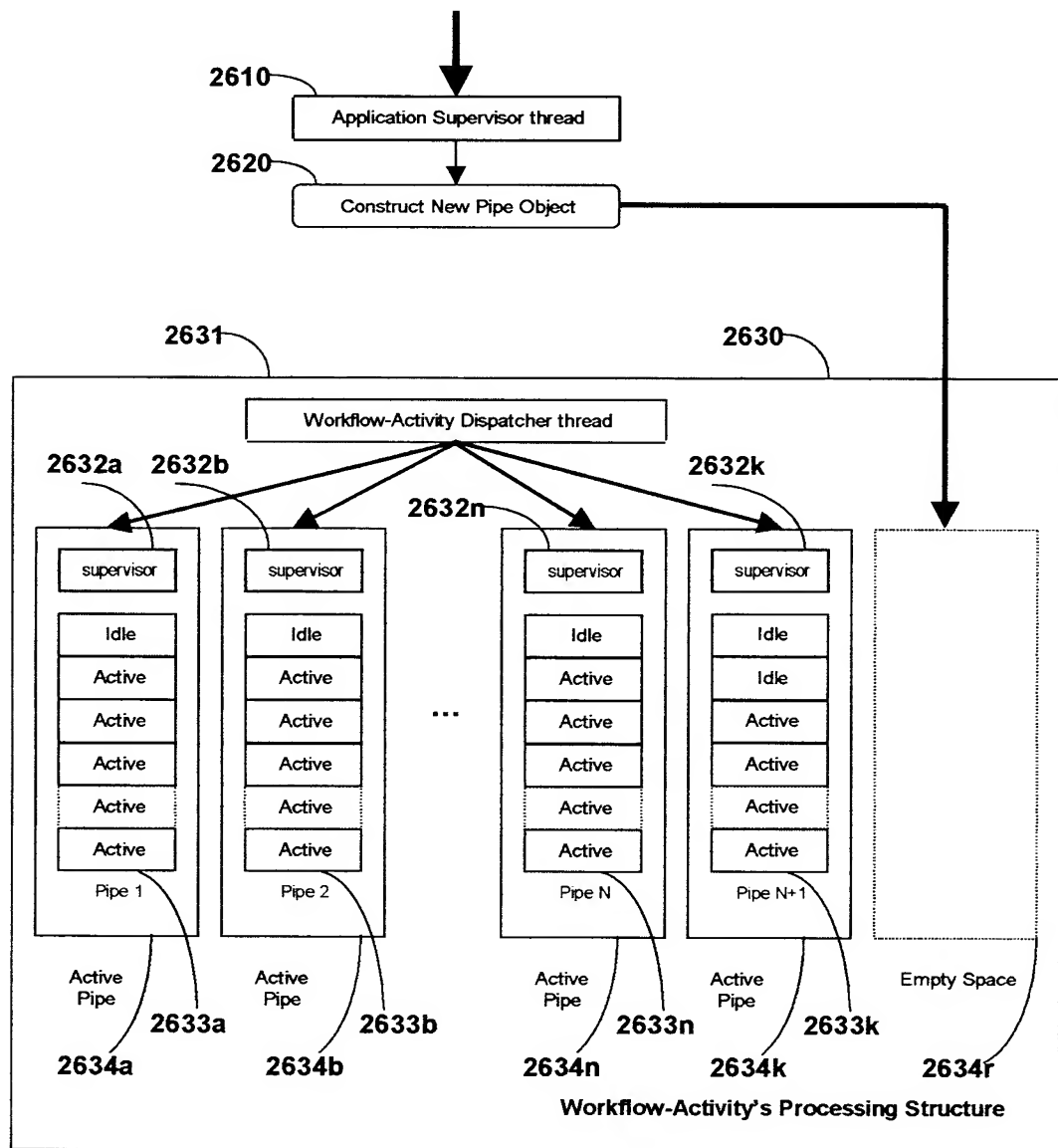


FIG. 26

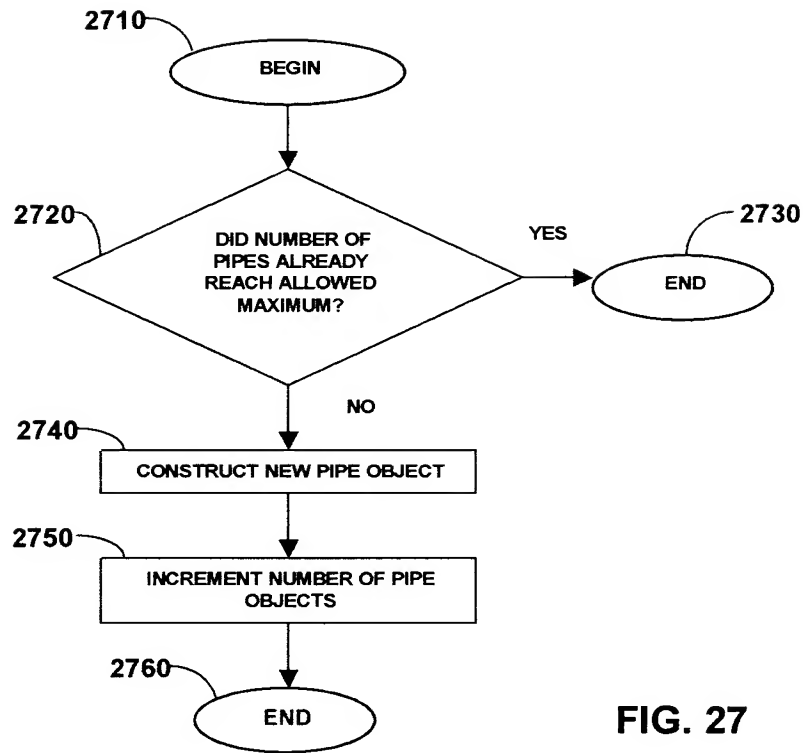
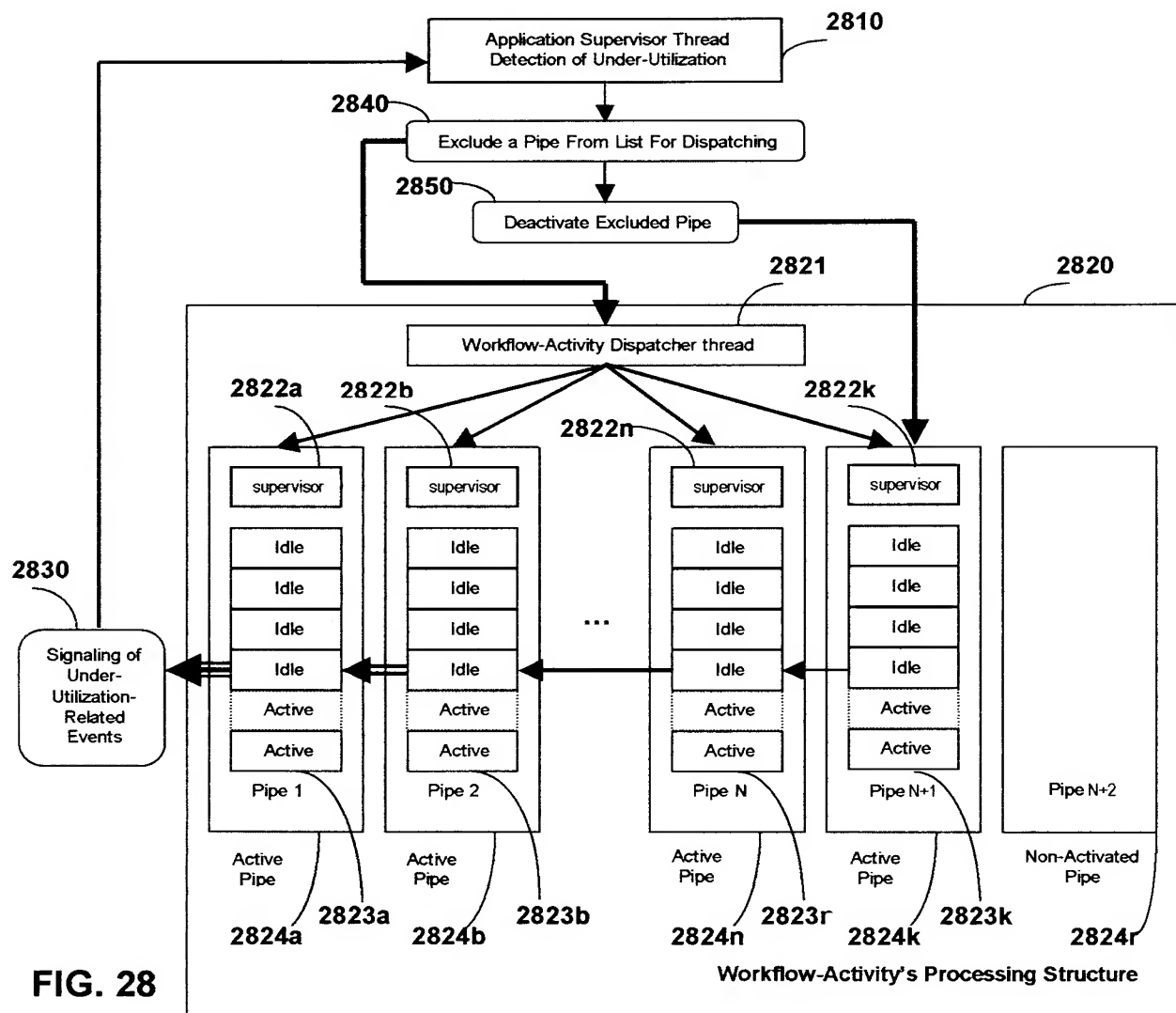


FIG. 27



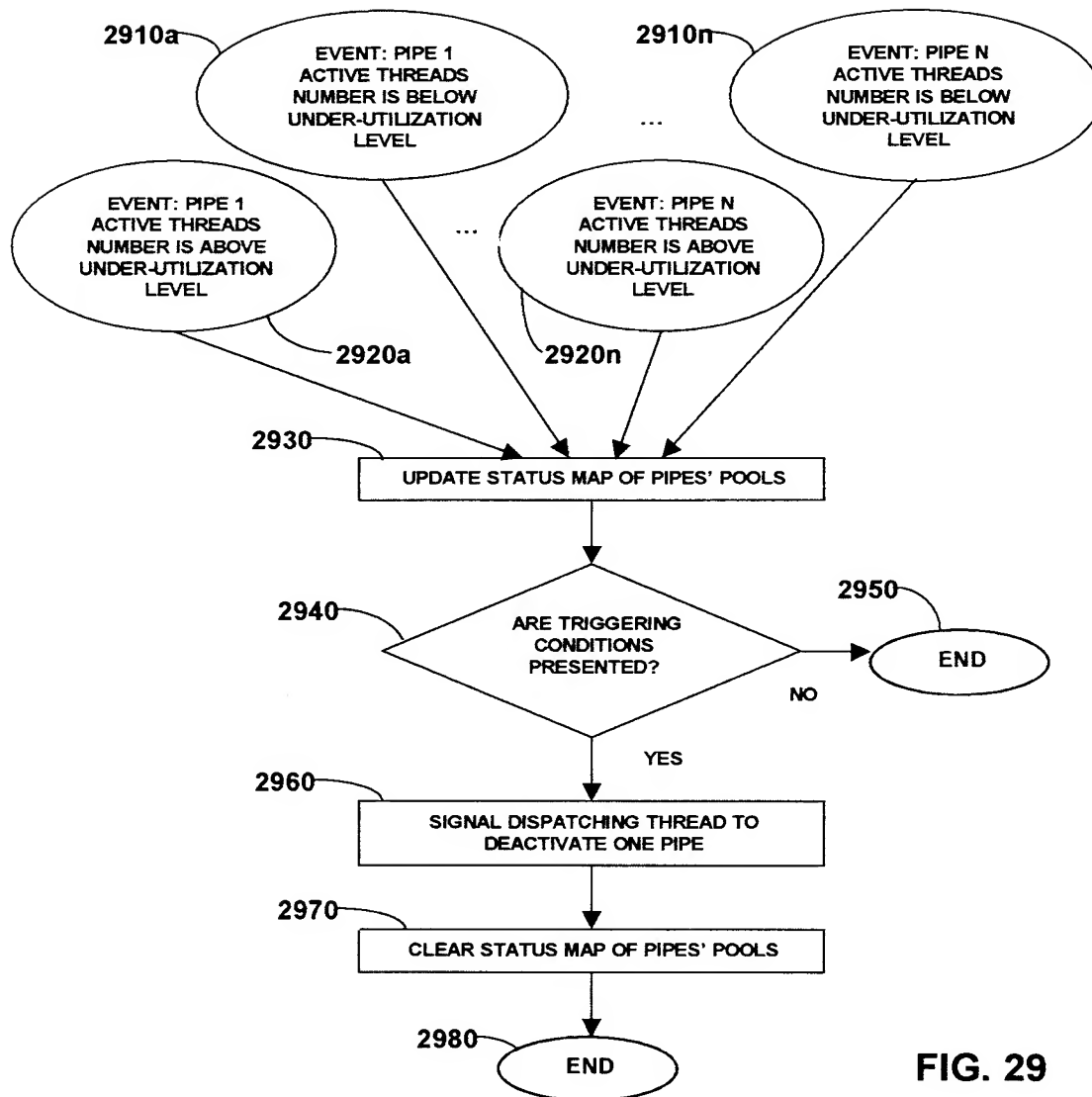


FIG. 29

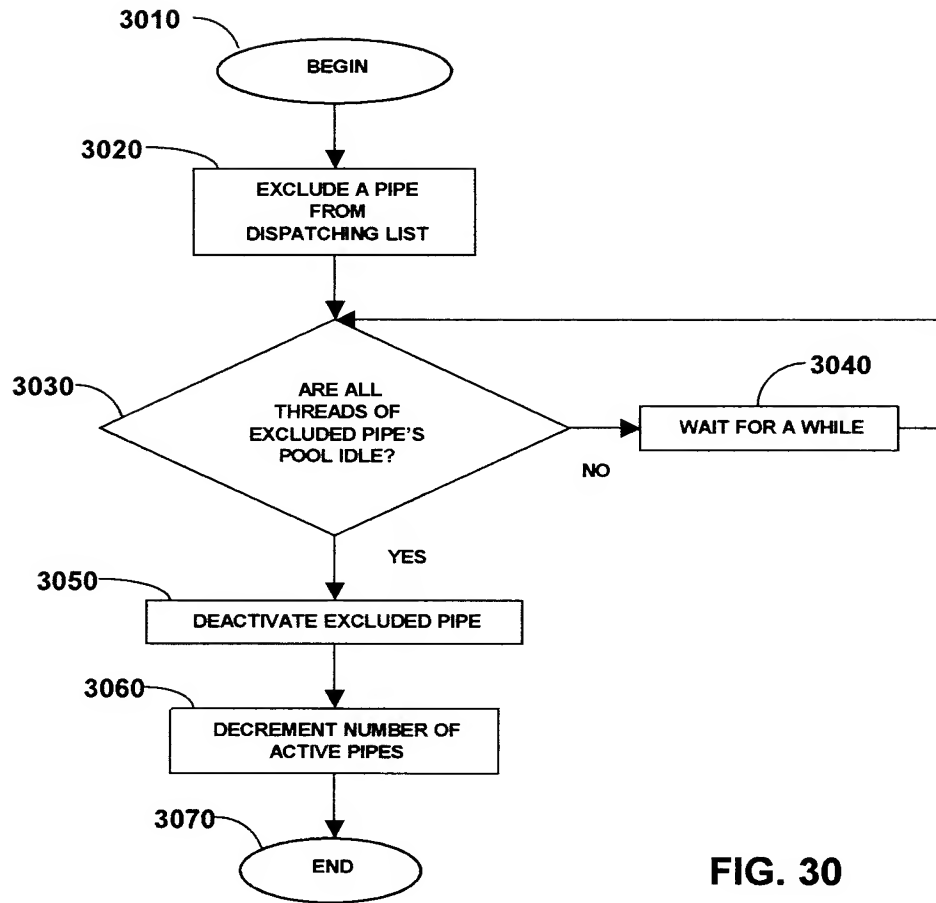


FIG. 30

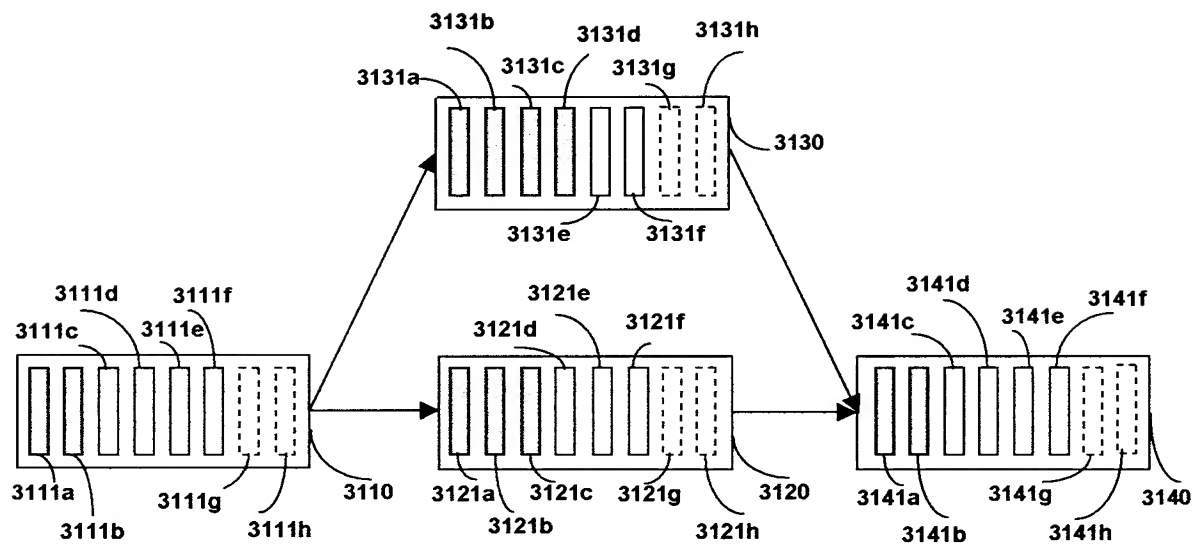


Fig. 31

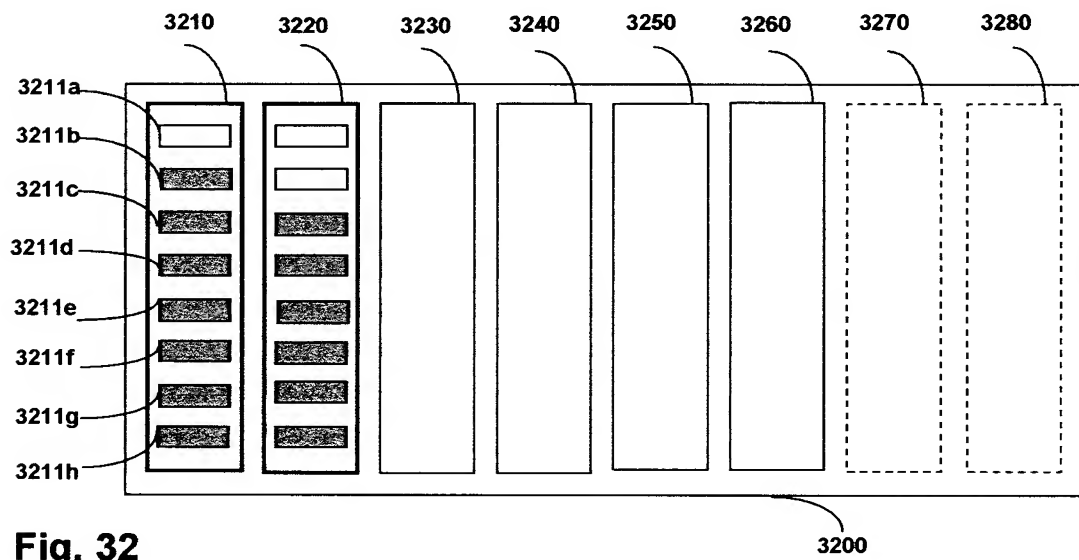


Fig. 32